

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION DECLARATION AND POWER OF ATTORNEY
(Page 1 of 2)

EACH OF THE APPLICANTS SIGNING BELOW HEREBY DECLARES THAT:

My residence, post office address, and citizenship are as stated next to my name in PART A on page 2 hereof.

I believe that I am an original, first, and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled NANOPARTICULATE TITANIUM DIOXIDE COATINGS, AND PROCESSES FOR THE PRODUCTION AND USE THEREOF, the specification of which is attached hereto.

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim the benefit under Title 35, United States Code, §119(e) of the United States Provisional patent application(s) listed below:

U.S. provisional patent applications serial nos. 60/216,937 filed on July 10, 2000, for NANOPARTICULATE TITANIUM DIOXIDE COATINGS AND PROCESS FOR THE PRODUCTION THEREOF AND USE THEREOF; 60/202,033 filed on May 5, 2000 for ANTIPOULING PHOTOACTIVE AGGREGATES; 60/188,761 filed on March 13, 2000, for PHOTOACTIVE ANTIPOULANT AGGREGATES; and 60/170,509 filed on December 13, 1999, for PREPARATION OF COMPOSITE PHOTOCATALYTIC PARTICLES; all to the below-named inventor of the present application.

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent(s) issued thereon.

I hereby appoint as my attorney with full power of substitution to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:

William C. Fuess Registration Number 30,054

whose mailing address for this application is:

William C. Fuess
FUESS & DAVIDENAS
Attorneys at Law
10951 Sorrento Valley Road, Suite II-G
San Diego, California 92121-1613
Attention: William C. Fuess

See next page 2 attached, signed, and made a part hereof.

PATENT APPLICATION DECLARATION AND POWER OF ATTORNEY
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All correspondence and telephone calls should be directed to William C. Fuess at the address and telephone number referenced above.

PART A: Inventors' Information and Signatures

Full Name of Sole Inventor: Jonathan Sherman

Citizenship: U.S.A.

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Franklin, TN 37067

Residence (if different): 1126 Brentwood Pt. Dr.

Brentwood, TN 37027-7968

Inventor's Signature: Jonathan Sherman

12/11/00

See page 1 to which this page is attached and of which this page is a part.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Jonathan

Sherman

Case No.: PCI 0002P

Title: NANOPARTICULATE TITANIUM DIOXIDE COATINGS, AND
PROCESSES FOR THE PRODUCTION AND USE THEREOF

VERIFIED STATEMENT UNDER 37 CFR §1.27
OF STATUS AS A SMALL ENTITY

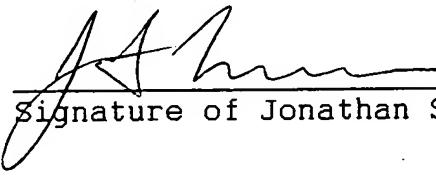
I, Jonathan Sherman, an individual, hereby declare that:

1. I am an independent inventor.
2. I am the inventor named in the above-identified patent application entitled NANOPARTICULATE TITANIUM DIOXIDE COATINGS, AND PROCESSES FOR THE PRODUCTION AND USE THEREOF, and am the owner of said application and invention.
3. I qualify as independent inventors as defined in 37 CFR §1.9, Subsection (c) in that I a) have not assigned, granted, conveyed or licensed, and b) am under no obligation under contract or law to assign, grant, convey or license any rights in the invention to any person who could not likewise be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern or a non-profit organization under said §1.9.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

12/11/00

Date


Signature of Jonathan Sherman